

May 07, 2015

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
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SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

The following accelerated items were implemented this past week:

RFC #291 – Corrected a problem in one perl script which didn't have correct exception handling. The problem was causing popup messages to appear every few minutes due to there being too many open ssh connections. Implemented on May 1 at 2300Z. (OPC)

RFC #292 – Added a link from the OPC "Top News" section of the OPC home page to the NWS National Safe Boating Week webpage. Implemented on May 5 at 1830Z, and will be removed on May 25 at 1130Z. (OPC)

RFC #293 – Implemented a temporary patch to work around a bug in a perl module called from one operational script. The script is failing when it runs the sunrise/sunset module, when the sunset wraps around to the next day in GMT. A permanent fix is being pursued. The patch was implemented on May 7 at 1730Z. (OPC)

The following will be implemented the week of May 11, 2015:

RFC #294 – Implement a script which will monitor the status of a file on the various WOC mirrors and notify OPC/OAB if a file is out of sync. To be implemented on May 11 at 1130Z. (OPC)

RFC #295 – Remove instructions in a patch_reminder perl script about Matlab being run on certain devices. This is no longer needed with RHEL6/IDP. To be implemented on May 11 at 1130Z. (OPC)

RFC #296 – Update the grab_ascat_manati perl script to include better exception handling and add some other efficiencies in the code. OPC/OAB will be emailed if the sftp command fails (it was previously failing silently). To be implemented on May 11 at 1130Z. (OPC)

RFC #297 – Fix a problem in displaying freezing spray text forecasts from various NWS offices, by adding a “.txt” extension to the file name. To be implemented on May 11 at 1200Z. (OPC)

RFC #298 – Add a page to display verification graphics for Day 1-3 WPC winter weather products. To be implemented on May 11 at 1200Z. (WPC)

RFC #299 – Implement modifications to the suite of scripts that send Radiofax charts to NCO Silver Spring (formerly known as the TOC), alert OPC/OAB of failures, and alert forecasters of missing charts. Improvements and bug fixes include capturing ftp failures and checking tgftp for missing products. To be implemented on May 11 at 1200Z. (OPC)

RFC #300 – Combine the watch_for_awips2_launch script and the watch_for_awips2_notification script into one and add in monitoring and ability to act on file transfers from /awips2_cf/OPC/transfer. To be implemented on May 11 at 1230Z. (OPC)

RFC #301 – Update one script which notes forecasters logged into the operational AWIPS machines (in addition to the NAWIPS machines). To be implemented on May 11 at 1245Z. (OPC)

RFC #302 – Implement a new version of the Extended-Range Forecast (ERF) Automated Forecast, which adds the capability of emailing copies of analogs to the Process Owner and Operations Monitors, and adds the capability to email copies of the weekend message (KWBCPMDMRD) to the weekend quality control team. To be implemented on May 11 at 1800Z. (CPC)

RFC #303 – Modify a series of scripts to implement a revised issuance schedule for the excessive rainfall outlook, including changes to the valid forecast periods. To be implemented on May 11 at 1800Z. (WPC)

RFC #304 – The scripts get_mosgrids_2p5 and get_akgridmos.csh are being changed to pull MOS grib2 data from NCOSRV instead of from WCOSS. Also, the Day 8-10 gridded MOS files will be pushed from the development WCOSS machine to /hpcnfs2 instead of being pulled. To be implemented on May 13 at 1200Z. (WPC)

RFC #305 – model data retrieval v2.3 – Update the model data retrieval scripts to add support for retrieving all models from a local path. To be implemented on May 14 at 2000Z. (CPC)

The following NCO RFC(s) will be implemented the week of May 11, 2015 and directly affect the local Centers:

RFC #905 – Deploy the CPC database to the operational PostgreSQL server. To be implemented on May 12 at 1200Z.

RFC #906 – Modify DBNet on WCOSS and NCOSRV to send additional GMOS data to the Compute Farm for WPC's WCOSS bastion host transition. To be implemented on May 12 at 1200Z.

RFC #907 – Split the WPC Archive rsync to the WOC into its own sync process, to allow the non-operational http content rsync to finish faster. This optimizes content rsyncs, as opposed to just raising thresholds in Big Brother. To be implemented on May 12 at 1300Z.

RFC #909 - LSF v9.1.2 – Change to LSF project code check so that only the nwprod account may use the “-OPS” project code, and remove most of the “-MTN” project codes (non-EMC “-MTN” codes will remain as is). To be implemented on May 12 at 1400Z.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.